STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES Land Division Honolulu, Hawaii 96813

October 11, 2013

Board of Land and Natural Resources State of Hawaii Honolulu, Hawaii

OAHU

PSF No.: 13OD-121

Consent to Merger of Oceanic Institute into Hawaii Pacific University; Mutual Termination of General Lease No. 3709, Oceanic Institute, Lessee; Issuance of Direct Lease to Hawaii Pacific University for Scientific Research and Public Exhibiting Facilities of Marine Life, Waimanalo, Koolaupoko, Oahu, Tax Map Key: (1) 4-1-014:004.

APPLICANT:

Oceanic Institute and Hawaii Pacific University, domestic nonprofit corporations

LEGAL REFERENCE:

Section 171-6, 43.1, Hawaii Revised Statutes, as amended.

LOCATION:

Portion of Government lands situated at Waimanalo, Koolaupoko, Oahu, identified by Tax Map Key: (1) 4-1-014:004, as shown on the attached map labeled **Exhibit A**.

AREA:

105.937 acres, more or less.

ZONING:

State Land Use District:

Conservation

City and County of Honolulu LUO: P-1

TRUST LAND STATUS:

Section 5(b) lands of the Hawaii Admission Act DHHL 30% entitlement lands pursuant to the Hawaii State Constitution: No

CURRENT USE STATUS:

Encumbered by General Lease No. ("GL") 3709 issued to Oceanic Institute for constructing, maintaining and operating a scientific research facility for the study of marine life and a public exhibiting facility of marine life, together with easements for pipeline rights-of-way for the intake and discharge of sea waters, commencing from October 21, 1962 and expiring on October 20, 2027.

CHARACTER OF USE:

Scientific research and public exhibiting facilities of marine life purposes.

LEASE TERM:

Sixty-five (65) years

COMMENCEMENT DATE:

Upon mutual termination of GL 3709.

ANNUAL RENT:

A rental reopening was conducted effective October 21, 2012, which determined the annual rent at \$140,800 or 1.5% of gross annual revenue, whichever is the greater, for the period from October 21, 2012 to October 20, 2022. Since the reopening was done recently, staff recommends the Board adopt the same rent for the first ten (10) years of the requested lease.

Further, staff recommends a fixed 30% to the base rent and 0.5% to the percentage rent increase for two subsequent ten (10) years periods, which will be followed by normal 10-year reopenings. Such rental structure is likely to enhance the fiscal planning for the lessee. The proposed rent structure is provided below:

Year 1 – 10

\$140,800 or 1.5% of gross annual revenues, whichever is the greater.

Year 11 - 20

\$140,800 x 1.30 or 2.0% of gross annual revenues, whichever is the greater.

Year 21 - 30

\$140,800 x 1.60 or 2.5% of gross annual revenues, whichever is the greater.

METHOD OF PAYMENT:

Base rent - semi-annual payments, in advance.

Percentage rent – semi-annual payments, in arrears.

RENTAL REOPENINGS:

The annual base rent and the percentage rent shall be reopened and redetermined at the end of the thirtieth (30th), fortieth (40th), fiftieth (50th), and sixtieth (60th) years.

PERFORMANCE BOND:

Twice the annual base rent amount.

CHAPTER 343 - ENVIRONMENTAL ASSESSMENT:

In accordance with Hawaii Administrative Rule Sections 11-200-8(a)(1) & (4) and the Exemption List for the Department of Land and Natural Resources approved by the Environmental Council and dated December 4, 1991, the subject request is exempt from the preparation of an environmental assessment pursuant to Exemption Class No. 1, that states "Operations, repairs or maintenance of existing structures, facilities, equipment, or topographical features, involving negligible or no expansion or change of use beyond that previously existing" and Class No. 4, that states "Minor alteration in the conditions of land, water, or vegetation." (See Exhibit B)

DCCA VERIFICATION:

Place of business registration confirmed:	YES x	NO
Registered business name confirmed:	YES x	NO
Applicant in good standing confirmed:	YES x	NO

APPLICANT REQUIREMENTS:

None.

REMARKS:

Pursuant to a public auction held in 1962, GL 3709 was issued to Pacific Foundation for Marine Research, a domestic non-profit corporation for the purposes noted above. Oceanic Institute ("OI") became the lessee subsequently and continued to operate the research facility at the location. Sea Life Park (sublessee) and Gloria Bridal Services, Inc. (sub-sublessee) operating the theme park and the wedding chapel respectively at the location have received the Board's consent to the sublease and sub-sublease.

Hawaii Pacific University ("HPU') and OI are affiliated entities and they are planning to undergo a merger between them. Upon the merger, HPU will emerge as the sole entity and OI will only retain its trade name. HPU will assume the role of the lessee of the leased premises. Nevertheless, the forthcoming expiration date of 2027 for GL 3709

creates certain limitations on HPU in securing future grants and donations. Therefore, HPU decided to request a new 65-year lease from the Board to facilitate the continuation of the marine research activities. It is anticipated that the merger will be finalized before the issuance of the new lease. Therefore, staff recommends the Board consent to the merger for housekeeping purposes.

HPU is not planning to conduct any major improvement with the exception of normal wear and tear repair to the existing improvements. For any future improvements planned for the facility which may trigger other regulatory requirements, e.g. environmental assessment, conservation district use permit, HPU is aware that they have to comply with those permit requirements. Same situation also applies to Sea Life Park and Global Bridal Services, Inc.

Exhibit C and D are the lists of achievements accomplished and federal and State grants received by OI respectively.

Staff understands there are pipelines under and across Kaupo Beach Park and the Kalanianaole Highway connecting the current facilities for intake and discharge of sea water as allowed in the existing lease since its commencement in 1962. However, the pipelines are not shown on the existing map for GL 3709. In March 2003, the Kaupo Beach Park was transferred to the Department of Hawaiian Home Lands while the abutting portions of Kalanianaole Highway were set aside in 2006 to the Department of Transportation ("DOT") pursuant to Governor's Executive Order No. 4177 for roadway improvement purposes. Upon approval of today's request, HPU will approach the respective agencies for authorization to continue using the pipelines.

In addition, OI is the lessee of a 40-feet wide strip of land within EO 4177 currently managed by DOT. The lease ("Lease 234") allows for landscaping with no buildings or structures permitted. Similar to the preceding paragraph, HPU will approach DOT regarding Lease 234 for future disposition, for example, assignment or re-issuance of new lease.

Pursuant to 171-43.1, HRS, "[t]he board may lease, at a nominal consideration, by direct negotiation and without recourse to public auction, public lands to an eleemosynary organization which has been certified to be tax exempt under sections 501(c)(1) or 501(c)(3) of the Internal Revenue Code of 1986, as amended. The lands shall be used by such eleemosynary organizations for the purposes for which their charter was issued and for which they were certified by the Internal Revenue Service." Applicant has provided evidence of 501(c)(3) status in the file.

Sublease and Sub-sublease

In the past, the Board has given its consent to the sublease [for Sea Life Park] and subsublease [for Global Bridal Services, Inc.] on the premises. Staff recommends the Board in granting approval for today's request, if applicable, require the new lease be subject to the sublease and sub-sublease until their original expiration dates or otherwise

renegotiated. HPU is in the process of obtaining written consent from the sublessee and sub-sublessee to the proposed mutual termination and issuance of new lease.

Comments from agencies

Department of Planning and Permitting notes that portion of the requested location is located in the Special Management Area, and any future improvements will be subject to the review for compliance regarding the applicable ordinance. They have no objection to the issuance of a new lease at this moment.

Board of Water Supply requires the lease be subject to access by BWS to all its facilities within the subject parcel.

Office of Conservation and Coastal Lands reminded Applicant of the need of consultation for any land use requirement. Since HPU is not planning on any new land use requirement now, and HPU is aware of the need for consultation for future land use requirement.

Department of Facility Maintenance, Division of State Parks, Department of Parks and Recreation, Division of Aquatic Resources, Department of Health have no comment or objection to the request.

Department of Hawaiian Home Lands, State Historic Preservation Division, Commission on Water Resource Management, and Office of Hawaiian Affairs have not responded to the solicitation for comment at the of writing this submittal.

Applicant has not had a lease, permit, easement or other disposition of State lands terminated within the last five years due to non-compliance with such terms and conditions.

RECOMMENDATION: That the Board:

- 1. Consent to the merger of Oceanic Institute and Hawaii Pacific University pertaining to General Lease No. 3709 under the terms and conditions cited above, which are by this reference incorporated herein and further subject to the following:
 - A. Review and approval by the Department of the Attorney General; and
 - B. Such other terms and conditions as may be prescribed by the Chairperson to best serve the interests of the State.
- 2. Declare that, after considering the potential effects of the proposed disposition as provided by Chapter 343, HRS, and Chapter 11-200, HAR, this project will probably have minimal or no significant effect on the environment and is therefore exempt from the preparation of an environmental assessment.

- 3. Authorize the mutual termination of General Lease No. 3709 under the terms and conditions cited above, which are by this reference incorporated herein and further subject to the following:
 - A. The standard terms and conditions of the most current mutual cancellation form, as may be amended from time to time;
 - B. Review and approval by the Department of the Attorney General; and
 - C. Such other terms and conditions as may be prescribed by the Chairperson to best serve the interests of the State.
- 4. Subject to the Applicant fulfilling all of the Applicant requirements listed above, authorize the issuance of a direct lease to Hawaii Pacific University covering the subject area under the terms and conditions cited above, which are by this reference incorporated herein and further subject to the following:
 - A. The standard terms and conditions of the most current (non-profit) lease document form, as may be amended from time to time;
 - B. The lease shall be subject to the existing sublease and sub-sublease entered into by the Lessee and approved by the Lessor pursuant to General Lease No. 3709 and which sublease and sub-sublease shall remain in full force and effect (provided that the new lease to HPU also remains in effect), or until such time as the sublease and sub-sublease are earlier terminated, expired, or otherwise renegotiated;
 - C. Subject to access to Board of Water Supply facilities on the premises;
 - D. Review and approval by the Department of the Attorney General; and
 - E. Such other terms and conditions as may be prescribed by the Chairperson to best serve the interests of the State.

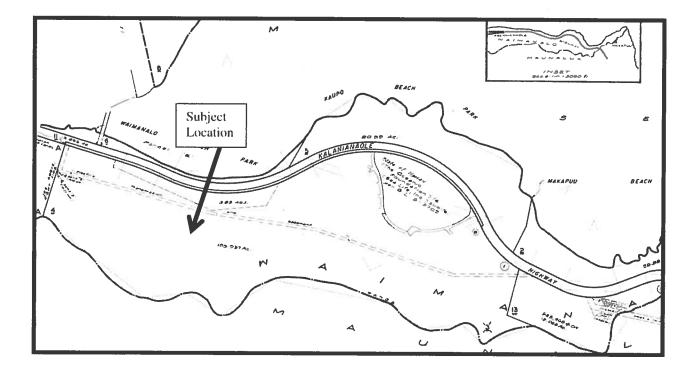
Respectfully Submitted,

Barry Cheung

District Land Agent

APPROVED FOR SUBMITTAL:

William J. Aila, Jr., Chairperson



TMK (1) 4-1-014:004

EXHIBIT A

EXEMPTION NOTIFICATION

Regarding the preparation of an environmental assessment pursuant to Chapter 343, HRS and Chapter 11-200, HAR

Project Title:

Direct Issuance of Lease for Scientific Research and Public

Exhibiting Facilities of Marine Life

Project / Reference No.:

PSF 13OD-121

Project Location:

Waimanalo, Koolaupoko, Oahu, Tax Map Key: (1) 4-1-014:004

Project Description:

Issuance of a new lease on the existing facilities.

Chap. 343 Trigger(s):

Use of State Land

Exemption Class No.:

In accordance with Hawaii Administrative Rule Section 11-200-8(a)(1) and (4), the subject request is exempt from the preparation of an environmental assessment pursuant to Exemption Class No. 1, that states "Operations, repairs or maintenance of existing structures, facilities, equipment, or topographical features, involving negligible or no expansion or change of use beyond that previously existing" and Class No. 4, that states "Minor alteration in the conditions of land, water, or vegetation."

The applicant is not planning on conducting major change to the existing topographical and vegetation condition of the property. As such, staff believes that the request would involve negligible or no expansion or change in use of the subject area beyond that previously existing.

Consulted Parties

Agencies as noted in the submittal

Recommendation:

That the Board find this project will probably have minimal or no significant effect on the environment and is presumed to be exempt from the preparation of an environmental assessment.

William J. Aila Jr., Chairperson
Date 9/27/13

EXHIBIT B

Oceanic Institute Achievements

Local Impacts

- 1) Developed hatchery and nursery technologies for the Pacific threadfin (moi) resulting in the establishment of the nation's first commercial off-shore cage operation on the island of O'ahu.
- 2) Provided fish eggs, fish fingerlings, shrimp postlarvae, live algae, feed, information, and training to local farmers to assist Hawaii aquaculture businesses.
- 3) Mentored and supported local volunteers, interns, undergraduate students, and graduate students in aquaculture-related sciences to help career decisions and development.
- 4) Provided selectively bred shrimp to local companies resulting in a multi-million dollar per year shrimp broodstock industry in Hawaii which is highly regarded worldwide.
- 5) Conducted training and education workshops and provided fish fingerlings across the islands for Hawaiian fishpond revitalization projects and to inspire local Hawaiian youths to become interested in aquaculture as a cultural legacy.
- 6) Developed ground-breaking technologies to rear copepods which serve as live feed for difficult-to-rear fish species in Hawaii.
- 7) Advanced the knowledge base for the captive reproduction of marine ornamental fish, such as yellow tang and flame angelfish, to help conserve these valuable species inhabiting Hawaii's coral reefs.
- 8) Developed tag-and release technologies and protocols for the stock enhancement of mullet and moi in Hawaii's nearshore waters.
- 9) Plans to build and operate a pilot-scale feed mill in Hilo to test novel feed ingredients, including agriculture and fisheries by-products, for Hawaii's terrestrial animal and aquaculture farmers.

National Impacts

1) Maintains a permanent seat on the Aquaculture Committee for the American Feeds Industry Association, the largest organization representing the U.S. animal feeds industry.

- 2) Collaborated with the U.S. Department of Agriculture, Agriculture Research Service, to develop aquatic feed ingredients using products and by-products from the Alaskan fisheries to assist long-term sustainability of federal marine resources.
- 3) Led administrative and key research roles in a 7-state consortium to develop shrimp farming in the U.S., funded by the U.S. Department of Agriculture, U.S. Marine Shrimp Farming Program.
- 4) With partners from Mississippi and Florida, developed preliminary captive production and stock replenishment technologies for the red snapper for restocking efforts in the Gulf of Mexico.
- 5) With partners from Hawaii, was the first to demonstrate the feasibility of open-ocean aquaculture in the U.S., setting the stage for follow-up research with commercial projects nationwide.

International Impacts

- 1) Introduced the concept of biosecurity, including the use of specific pathogen free (SPF) animals, to shrimp aquaculture, resulting in the global adoption of these strategies to a multi-billion dollar per year industry.
- 2) Played a significant role in changing the dominant shrimp species cultured worldwide from the giant tiger prawn to the Pacific white shrimp. In fact, much of the world's farmed shrimp can trace their genetic origins back to OI's shrimp breeding program.
- 3) Written and published manuals for intensive shrimp production and hatchery operations for milkfish, striped mullet, and Pacific threadfin (moi). These manuals are used by researchers and commercial farmers all over the world and have helped solidify OI's role as a world leader in aquaculture research and development.
- 4) Transferred milkfish hatchery technologies to milkfish-farming countries such as Taiwan, Indonesia, and the Philippines.
- 5) Constructed the first marine fish hatchery in Egypt and trained local technicians for sea bream, sea bass, and striped mullet culture.

OCEANIC INSTITUTE
Current Federal and State Grant Listing

			As of 5/23/13			
	CFDA		Program	Period	Period of Award	Award
Адепсу	Š	Grant Title	Manager	Start	End	Amount
USDA Agriculture Research Services:	Ire Rese	arch Services:	のできる。 は、 のできる。 は、 のできる。 は、 のできる。 は、 のできる。 ので。 のできる。 のできる。 のできる。 のできる。 のできる。 のできる。 のできる。 のできる。 ので。 のできる。 ので。 ので。 ので。 ので。 ので。 ので。 ので。 ので	THE PERSONAL PROPERTY.	1000年前最初	
LICDA.ABC	10 00	Tropical Aquaculture: Develop Feeds for Optimum Nutrition orf	Warren Dominy Warren Dominy	09/29/08	09/28/09 09/28/10	1,002,264
	-	Cultureed Shrimp and Finfish	Dong-Fang Deng	09/29/10	09/18/13	921,171
						2,844,606
USDA-National	Institute	USDA-National Institute of Food and Agriculture:	THE REAL PROPERTY AND ADDRESS.	新ながら	The state of the s	
			20 20 20 20 20 20 20 20 20 20 20 20 20 2	09/01/08	08/31/09	135,379
USDA-NIFA	10.200	10.200 Regional Aquaculture Center - C1SA (Year 22 & 23)	ean gueuc-gueuc	09/01/09	08/31/12	735,322
			č	08/01/10	07/31/11	735,321
USDA-NIFA	10.200	10.200 Regional Aquaculture Center - CTSA (Year 24 & 25)	Cheng-Sheng Lee	08/01/11	07/31/15	733,851
						1,469,172
LISDA-NIFA	10.200	10.200 Regional Aguaculture Center - CTSA (Year 26)	Cheng-Sheng Lee	08/01/12	07/31/16	733,071
USDA-NIFA	10.218	10.218 Center for Applied Aquaculture - CAA 1995	Randy Honke	04/01/98	12/31/15	2,252,368
USDC-Econom	ic Develo	USDC:Economic Development/Administration:	A			454Ta6 Table 24
USDOC EDA 11.300 OLC Annex	11.300	OLC Annex	Randy Honke	05/19/08	09/30/13	1,500,000
USDA National	Institute	USDA National Institute of Foodsand Agriculture - Passthrough Pacific Biodiesel:				41,000 Part 18 20 11
USDA-NIFA	10.212	USDA-NIFA 10.212 Alna Mo Soil Amendment Project Year 2	Dong-Fang Deng	09/01/11	08/31/13	143,508
USDAMational	Institute	USDA National Institute of Food and Agriculture - Passthrough OI CTSA Grant (Internal Subcontract):	si Subcontract):	San		The state of the s
USDA-NIFA	10.200		Dong-Fang Deng	04/02/12	08/31/13	20,000
I ISDA-NIFA	+-	10.200 [Regional Aguaculture Info. Service for Education Yr6	Meredith Brooks	05/01/12	07/31/13	59,700
USDA-NIFA	_		Dong-Fang Deng	06/18/12	06/17/13	73,000
State of Hawaii:						
SOH-DLNR	:	Feedmill Laboratory Project	Randy Honke	11/09/00	12/31/12	804,000
SOH-DAG	:	Feedmill: Livestock Feasibility Project/Agr/Dev Food Security	Randy Honke	02/01/13	06/30/14	450,000

OCEANIC INSTITUTE
Current Federal and State Grant Listing

		Fiscal Year			
CFDA		Program	Perio	d of Award	Award
Š	Grant Title	Manager	Start	End	Amount
re Researc	h Services:		化化学系统 经收入	AND THE RESERVE	
7	Tropical Aquaculture: Develop Feeds for Optimum	Morron Domini	09/29/08	09/28/09	1,002,264
10.001	Nutrition orf Cultureed Shrimp and Finfish	wairen Donniny	09/29/09	09/26/10	921,171
			03/23/10		2,844,606
ire Researc	th Services - Passthrough University of Alaska:		3 250 250		
	Alaska Fisheries Byoroduct Unilization Program -		09/22/09	09/30/10	235,007
10.001	Feed Supplements from Fish/Coordination	Warren Dominy	09/22/10	09/22/11	225,000
			10/01/11	21/06/60	660,007
- Unfundec	l Research:	Service Sulface of Apparences			State State Control
‡	절절	Charles Laidley	01/01/11	12/31/11	107,085
Institute of	Food and Agriculture:	おおからなるない さいば		place and the second state	100
10.200	Center -	Cheng-sheng Lee	08/01/06	07/31/11	735,381
10.200	Regional Aquaculture Center - CTSA (Year 21)	Cheng-sheng Lee	08/01/07	07/31/12	735,377
1	(00 0 00/0 VOIC	0.1.0000	80/10/60	08/31/09	735,379
10.200	Regional Aquaculture Center - C1SA (Year ZZ & 23)	Cueng-sneng Lee	09/01/09	08/31/12	735,322
10.000	Deciporal Americanithms Conter - CTSA (Year 24 & 25)	Cheng-sheng l ge	08/01/10	07/31/11	735,321
20.500		, , , , , , , , , , , , , , , , , , ,	08/01/11	07/31/15	733,851
10.200	Gulf Coast Shrimp Project	Shaun Moss	08/01/10	07/31/11	2,117,540
10.200	Gulf Coast ShrImp Project	Shaun Moss	08/01/09	07/31/12	2,118,240
10.218	Center for Applied Aquaculture - CAA 1988	Randy Honke	09/01/88	03/31/11	7,404,952
10.218	Center for Applied Aquaculture - CAA 1995	Randy Honke	04/01/98	12/31/12	2,252,368
nstitute of	Food and Agriculture - Passthrough Pacific Biodle	77		Control of the Control of the Control	Strain Section Charles
10.212	Aina Mo Soil Amendment Project Year 2	Warren Dominy	09/01/11	08/31/13	143,508
C Developm	nent/Administration:		200		
11.300	OLC Annex	Randy Honke	05/19/08	05/18/13	1,500,000
Oceanican	d Atmospheric Administration:	Constitution of the second second			
11.417	Hawaii Sustainable Fisheries Development 08-09	Charles Laidley	07/01/08	06/39/11	550,000
11.444	Hawaii Sustainable Fisheries Development 09-10	Charles Laidley	09/01/08	08/30/11	730,518
11.444	Hawaii Sustainable Fisheries Development 10-11	Charles Laidley	09/01/10	08/31/12	399,600
11.452	Aquaponics - 2010 Marine Education	Meredith Brooks	06/01/10	12/31/11	14,950
Foundatic	ha ban in and major was and a nongaposity algue				大学 のはないのできない
47.050	CAMEO 2009	Carrie Holl	08/15/10	07/31/13	95,304
•	Feed Mill Laboratory Program	Randy Honke	11/29/00	12/31/13	804,000
	CFDA No. In No. 10.001 10.001 10.200 10.200 10.200 10.200 10.218 10.218 10.218 10.218 10.218 11.300 11.444 11.444 11.452	USDA-ARS 10.001 Tropical Aquaculture: Develop Feeds for Optimum USDA-ARS 10.001 Tropical Aquaculture: Develop Feeds for Optimum USDA-ARS 10.001 Murition or Cultureed Shrimp and Finitish Alaska Fisheries Byproduct Unilization Program - Read Supplements from Fish/Coordination Program - Read Supplements from Fish/Coordination Program - Pacific Threadfin Brodstock Maintenance and Alaska Fisheries Byproduct Unilization Program - Pacific Threadfin Brodstock Maintenance and Engaling Production USDA-NIFA 10.200 Regional Aquaculture Center - CTSA (Year 20) USDA-NIFA 10.200 Regional Aquaculture Center - CTSA (Year 21) USDA-NIFA 10.200 Regional Aquaculture Center - CTSA (Year 22 & 23) USDA-NIFA 10.200 Guif Coast Shrimp Project USDA-NIFA 10.200 Guif Coast Shrimp Project USDA-NIFA 10.218 Center for Applied Aquaculture - CAA 1986 USDA-NIFA 10.218 Center for Applied Aquaculture - CAA 1986 USDA-NIFA 10.218 Center for Applied Aquaculture - CAA 1986 USDA-NIFA 10.218 Center for Applied Aquaculture - CAA 1986 USDA-NIFA 10.218 Center for Applied Aquaculture - CAA 1986 USDC-Rohand Admonstradministration: USDC-Rohand Administration: USDC-Rohand Ad	Grant Title Mai Services: ropical Aquaculture: Develop Feeds for Optimum utrition orf Cultureed Shrimp and Finfish aeska Fisheries Byproduct Unitization Program - eed Supplements from Fish/Coordination esearch: acific Threadfin Broodstock Maintenance and coding and Agriculture: egional Aquaculture Center - CTSA (Year 20) egional Aquaculture Center - CTSA (Year 22) cgional Aquaculture Center - CTSA (Year 24 & 25) cgional Aquaculture Center - CTSA (Year 24 & 25) cgional Aquaculture Center - CTSA (Year 24 & 25) cgional Aquaculture Center - CTSA (Year 27) cgional Aquaculture Center - CTSA (Year 28 & 25) cheng-search cgional Aquaculture Center - CTSA (Year 28 & 25) cheng-search cgional Aquaculture Center - CTSA (Year 28 & 25) cheng-search cgional Aquaculture Center - CTSA (Year 28 & 25) cheng-search cgional Aquaculture Center - CTSA (Year 28 & 25) cheng-search cgional Aquaculture Center - CTSA (Year 28 & 25) cheng-search cgional Aquaculture Center - CTSA (Year 29 & 25) cheng-search cgional Aquaculture Center - CTSA (Year 20) cheng-search cgional Aquaculture Center - CTSA (Year 28 & 25) cheng-search cgional Aquaculture Center - CTSA (Year 28 & 25) cheng-search cgional Aquaculture Center - CTSA (Year 28 & 25) cheng-search cgional Aquaculture Center - CTSA (Year 28 & 25) cheng-search cgional Aquaculture Center - CTSA (Year 28 & 25) cheng-search cgional Aquaculture	Services: Program Topical Aquaculture: Develop Feeds for Optimum or Cultureed Shrimp and Finish Program Start Start Start Start Services: Invition or Cultureed Shrimp and Finish or Cultureed Shrimp and Finish Warren Dominy 09/29/0 Jesvalces - Peassthrough University of Alaska: Warren Dominy 09/29/0 Jesvalces - Peassthrough University of Alaska: Warren Dominy 09/29/0 Jesvalces - Peassthrough University of Alaska: Warren Dominy 09/29/0 Jesvalces - Peassthrough University of Alaska: Warren Dominy 09/29/0 Jesvalces - Peassthrough University of Alaska: Charles Laidley 01/01/1 Seearch: Warren Dominy 09/29/0 Septoland Aguaculture: Conter - CTSA (Year 20) Cheng-sheng Lee 08/01/0 Egional Aguaculture: Center - CTSA (Year 22) Cheng-sheng Lee 08/01/0 Egional Aquaculture: Center - CTSA (Year 22) Cheng-sheng Lee 08/01/0 Egional Aquaculture: Center - CTSA (Year 22) Cheng-sheng Lee 08/01/0 Egional Aquaculture: CAA (Year 24 & 25) Cheng-sheng Lee 08/01/0 Egional Aquaculture: <td> Control of A </td>	Control of A

12/31/10

Copy of Ol-Grant Listing FY2011-FY2013

OCEANIC INSTITUTE GRANT & CONTRACT AWARDS LISTING FISCAl Year 2011.

		Award	Project Period		
Federal Grants USDA CSREES	USDA CAA - FY1988 *** USDA CAA - FY1995 OLC Annex CTSA Year 19 CTSA Year 20 CTSA Year 21 CTSA Year 24 Shrimp Consortium Shrimp Consortium	\$3,529,952.00 \$2,252,368.00 \$1,500,000.00 \$742,809.00 \$735,381.00 \$735,377.00 \$1,470,701.00 \$735,321.00 \$2,254,222.00 \$2,117,540.00 \$2,118,240.00	09/01/88 04/15/98 05/19/08 08/01/05 08/01/06 08/01/06 09/01/08 08/01/10 08/01/10	03/31/11 12/31/11 05/18/13 07/31/10 07/31/11 08/31/11 08/31/12 07/31/10 07/31/10	
usda Usda Csrees Usda Ars Hawaii Usda Ars Hawaii	Shrimp Maturation Diet - \$180,000 Shrimp Microbial Comm Interaction - \$315,9! Development of Feeds for Optimum Nutrition Development of Feeds for Optimum Nutrition	\$0.00 \$0.00 \$1,002,264.00 \$921,171.00	05/01/05 12/01/06 09/29/08 09/29/08	04/30/10 11/08/08 09/18/13 09/18/13	
USDOC NOAA USDOC NOAA USDOC NOAA	HI Sustainable Fisheries Development HI Sustainable Fisheries Dev Project HI Sustainable Fisheries Dev Project	\$550,000.00 \$730,518.00 \$399,600.00	07/01/08 09/01/09 09/01/10	06/30/11 08/31/11 08/31/11	
USDOC NOAA	Aquaponics - 2010 Marine Education	\$14,950.00	06/01/10	05/30/11	
USDOC NOAA USDOC NOAA NSF	AIP Year 1 AIP CAMEO 2009 - A novel tool for validating	\$195,256.00 \$97,628.00 \$95,304.00	01/01/07 01/01/08 08/15/10	12/31/11 12/31/10 07/31/13	
Pass-through Grants UNIV of ALASKA UNIV of ALASKA UNIV of ALASKA Darific Bladiocal	Sub-total Federal Grants ARS Alaska By-Products FY2008-2009 ARS Alaska By-Products FY2010-2011 ARS Alaska By-Products FY2010-2011	\$22,198,602.00 \$287,970.00 \$272,008.00 \$270,000.00	09/30/08 09/22/09 09/22/10	09/29/11 09/30/10 09/30/11	
State of Hawaii Contracts DLNR	Sub-total Pass-through Grants 47455 Aquat	\$26,000.00 \$865,978.00 Aquatic Feed	\$804,000.00	02/14/11	